

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/812,797  
Source: 1FWO  
Date Processed by STIC: 2/11/05

# ***ENTERED***



IFWO

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/812,797

DATE: 02/11/2005  
 TIME: 14:19:33

Input Set : A:\PTO.FG.TXT  
 Output Set: N:\CRF4\02112005\J812797.raw

3 <110> APPLICANT: Liew, Choong-Chin  
 5 <120> TITLE OF INVENTION: Method for the Detection of Cancer Related Gene Transcripts  
 in Blood  
 7 <130> FILE REFERENCE: 4231/2055M  
 9 <140> CURRENT APPLICATION NUMBER: US 10/812,797  
 10 <141> CURRENT FILING DATE: 2004-03-30  
 12 <150> PRIOR APPLICATION NUMBER: 10/802,875  
 W--> 13 <151> PRIOR FILING DATE: 2004-3-12  
 15 <150> PRIOR APPLICATION NUMBER: US 10/601,518  
 16 <151> PRIOR FILING DATE: 2003-06-20  
 18 <150> PRIOR APPLICATION NUMBER: US 10/268,730  
 19 <151> PRIOR FILING DATE: 2002-10-09  
 21 <150> PRIOR APPLICATION NUMBER: US 09/477,148  
 22 <151> PRIOR FILING DATE: 2000-01-04  
 24 <150> PRIOR APPLICATION NUMBER: US 60/115,125  
 25 <151> PRIOR FILING DATE: 1999-01-06  
 27 <160> NUMBER OF SEQ ID NOS: 112  
 29 <170> SOFTWARE: PatentIn version 3.2  
 31 <210> SEQ ID NO: 1  
 32 <211> LENGTH: 110  
 33 <212> TYPE: DNA  
 34 <213> ORGANISM: Human  
 36 <400> SEQUENCE: 1  
 37 acacaacgta acaataacat atttagccaa tgtagtagac tgctatataa tacattagag 60  
 39 tgtcaattca ttccggtttac agccccattg ggtgtcaaatt tttttttggt 110  
 42 <210> SEQ ID NO: 2  
 43 <211> LENGTH: 530  
 44 <212> TYPE: DNA  
 45 <213> ORGANISM: Human  
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 49 <221> NAME/KEY: misc\_feature  
 50 <222> LOCATION: (16)..(16)  
 51 <223> OTHER INFORMATION: n is a, c, g, or t  
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 54 <221> NAME/KEY: misc\_feature  
 55 <222> LOCATION: (19)..(19)  
 56 <223> OTHER INFORMATION: n is a, c, g, or t  
 58 <220> FEATURE:  
 59 <221> NAME/KEY: misc\_feature  
 60 <222> LOCATION: (25)..(25)  
 61 <223> OTHER INFORMATION: n is a, c, g, or t  
 63 <220> FEATURE:  
 64 <221> NAME/KEY: misc\_feature  
 65 <222> LOCATION: (38)..(38)

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66 <223> OTHER INFORMATION: n is a, c, g, or t  
68 <220> FEATURE:  
69 <221> NAME/KEY: misc\_feature  
70 <222> LOCATION: (40)..(40)  
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74 <221> NAME/KEY: misc\_feature  
75 <222> LOCATION: (42)..(42)  
76 <223> OTHER INFORMATION: n is a, c, g, or t  
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94 <221> NAME/KEY: misc\_feature  
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99 <221> NAME/KEY: misc\_feature  
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123 <220> FEATURE:  
124 <221> NAME/KEY: misc\_feature  
125 <222> LOCATION: (135)..(135)  
126 <223> OTHER INFORMATION: n is a, c, g, or t

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128 <220> FEATURE:  
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130 <222> LOCATION: (143)..(143) ✓  
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133 <220> FEATURE:  
134 <221> NAME/KEY: misc\_feature  
135 <222> LOCATION: (177)..(177) ✓  
136 <223> OTHER INFORMATION: n is a, c, g, or t  
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139 <221> NAME/KEY: misc\_feature  
140 <222> LOCATION: (179)..(179) ✓  
141 <223> OTHER INFORMATION: n is a, c, g, or t  
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144 <221> NAME/KEY: misc\_feature  
145 <222> LOCATION: (181)..(181) ✓  
146 <223> OTHER INFORMATION: n is a, c, g, or t  
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149 <221> NAME/KEY: misc\_feature  
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154 <221> NAME/KEY: misc\_feature  
155 <222> LOCATION: (209)..(210) ✓  
156 <223> OTHER INFORMATION: n is a, c, g, or t  
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159 <221> NAME/KEY: misc\_feature  
160 <222> LOCATION: (215)..(215) ✓  
161 <223> OTHER INFORMATION: n is a, c, g, or t  
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164 <221> NAME/KEY: misc\_feature  
165 <222> LOCATION: (217)..(217) ✓  
166 <223> OTHER INFORMATION: n is a, c, g, or t  
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169 <221> NAME/KEY: misc\_feature  
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171 <223> OTHER INFORMATION: n is a, c, g, or t  
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174 <221> NAME/KEY: misc\_feature  
175 <222> LOCATION: (228)..(228) ✓  
176 <223> OTHER INFORMATION: n is a, c, g, or t  
178 <220> FEATURE:  
179 <221> NAME/KEY: misc\_feature  
180 <222> LOCATION: (233)..(233) ✓  
181 <223> OTHER INFORMATION: n is a, c, g, or t  
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184 <221> NAME/KEY: misc\_feature  
185 <222> LOCATION: (236)..(236) ✓  
186 <223> OTHER INFORMATION: n is a, c, g, or t  
188 <220> FEATURE:

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189 <221> NAME/KEY: misc\_feature  
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196 <223> OTHER INFORMATION: n is a, c, g, or t  
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200 <222> LOCATION: (270)..(270)  
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209 <221> NAME/KEY: misc\_feature ✓  
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211 <223> OTHER INFORMATION: n is a, c, g, or t  
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215 <222> LOCATION: (283)..(283) ✓  
216 <223> OTHER INFORMATION: n is a, c, g, or t  
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220 <222> LOCATION: (292)..(293)  
221 <223> OTHER INFORMATION: n is a, c, g, or t  
223 <220> FEATURE:  
224 <221> NAME/KEY: misc\_feature  
225 <222> LOCATION: (299)..(299) ✓  
226 <223> OTHER INFORMATION: n is a, c, g, or t  
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229 <221> NAME/KEY: misc\_feature ✓  
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231 <223> OTHER INFORMATION: n is a, c, g, or t  
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235 <222> LOCATION: (307)..(307) ✓  
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239 <221> NAME/KEY: misc\_feature ✓  
240 <222> LOCATION: (312)..(312)  
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245 <222> LOCATION: (319)..(319) ✓  
246 <223> OTHER INFORMATION: n is a, c, g, or t  
248 <220> FEATURE:  
249 <221> NAME/KEY: misc\_feature

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250 <222> LOCATION: (324)..(325) ✓  
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264 <221> NAME/KEY: misc\_feature  
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266 <223> OTHER INFORMATION: n is a, c, g, or t  
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280 <222> LOCATION: (382)..(382)  
281 <223> OTHER INFORMATION: n is a, c, g, or t  
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284 <221> NAME/KEY: misc\_feature  
285 <222> LOCATION: (391)..(391) ✓  
286 <223> OTHER INFORMATION: n is a, c, g, or t  
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289 <221> NAME/KEY: misc\_feature  
290 <222> LOCATION: (395)..(395) ✓  
291 <223> OTHER INFORMATION: n is a, c, g, or t  
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294 <221> NAME/KEY: misc\_feature ✓  
295 <222> LOCATION: (400)..(400)  
296 <223> OTHER INFORMATION: n is a, c, g, or t  
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299 <221> NAME/KEY: misc\_feature  
300 <222> LOCATION: (412)..(413) ✓  
301 <223> OTHER INFORMATION: n is a, c, g, or t  
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304 <221> NAME/KEY: misc\_feature ✓  
305 <222> LOCATION: (422)..(422)  
306 <223> OTHER INFORMATION: n is a, c, g, or t  
308 <220> FEATURE:  
309 <221> NAME/KEY: misc\_feature ✓  
310 <222> LOCATION: (424)..(424)

**RAW SEQUENCE LISTING ERROR SUMMARY**  
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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 16,19,25,38,40,42,44,64,65,66,70,71,81,86,89,117,121,123,135  
 Seq#:2; N Pos. 143,177,179,181,193,194,209,210,215,217,221,228,233,236,243  
 Seq#:2; N Pos. 251,252,253,254,270,272,274,275,283,292,293,299,303,307,312  
 Seq#:2; N Pos. 319,324,325,328,329,342,345,366,377,382,391,395,400,412,413  
 Seq#:2; N Pos. 422,424,426,433,439,442,452,460,463,471,495,500,504,516  
 Seq#:5; N Pos. 13,14,16,20,21,25,26,27,28,42,52,55,57,59,63,65,68,72,74,77  
 Seq#:5; N Pos. 91,102,117,127,128,169,172,192,203,243,244,248,249,253,283  
 Seq#:5; N Pos. 288,299,318,327,334,348,359,360  
 Seq#:6; N Pos. 475,556,559,585,606,644,671,693,695,714,742,744,756,765,768  
 Seq#:6; N Pos. 808,815,823,830,837  
 Seq#:10; N Pos. 433,600,615,626,645,661  
 Seq#:14; N Pos. 6,15,37,38,47,56,57,94,127,155,157  
 Seq#:16; N Pos. 5,15,39,47,52,69,154,207,217  
 Seq#:17; N Pos. 18,19,27,47,66,76,82,108,133,162,210,260,276  
 Seq#:19; N Pos. 17,40,59,76,107,165,189,216,221,230  
 Seq#:21; N Pos. 17,23,28,36,41,44,53,59,62,67,70,71,74,76,79,83,84,86,97  
 Seq#:22; N Pos. 2,17,37,52,53,56,77,85,89,96  
 Seq#:23; N Pos. 17,19,27,28,29,37,38,46,49,65,72  
 Seq#:24; N Pos. 5,13,71,88,91,109,157,177,199,207,211  
 Seq#:26; N Pos. 299,333,353,410,411,460,474,479  
 Seq#:27; N Pos. 348,422,435,476,490  
 Seq#:28; N Pos. 18,47,59,74,138,174,176,211  
 Seq#:29; N Pos. 1,2,12,29,34  
 Seq#:30; N Pos. 3,4,5,6,8,13,15,20,27,32,33,40,49,50,57,63,67,69,76,78,87  
 Seq#:30; N Pos. 89  
 Seq#:31; N Pos. 12,26,46,49,55,60,63,69,70,73,79,92,96  
 Seq#:32; N Pos. 2,7,27,34,57,63,64,67,73,75,76,77,78,80,90,96,97,98  
 Seq#:33; N Pos. 5,12,28,32,38,44,57,68,76,82,92  
 Seq#:34; N Pos. 3,21,27,28,38,47,50,53,61,73,78,83,85,97  
 Seq#:35; N Pos. 21,22,28,32,65,67,68,70,77,83,92  
 Seq#:36; N Pos. 4,8,29,43,44,46,57,59,84,98,115,117,118  
 Seq#:37; N Pos. 7,10,53,61,65,66,72,74,75,89,94,100,107,126,141  
 Seq#:38; N Pos. 2,10,61,63,72,79  
 Seq#:39; N Pos. 5,7,8,10,15,16,20,24,71  
 Seq#:40; N Pos. 80,91  
 Seq#:42; N Pos. 14,31,36,63,73,93,98  
 Seq#:44; N Pos. 2,11,27,28,34,38,39,41,49,50,61,62,67,68,76,79,80,85,89,93  
 Seq#:45; N Pos. 8,24,33,34,47,48,58,63,68,71,73,77,88,95,96  
 Seq#:46; N Pos. 74  
 Seq#:47; N Pos. 7,8,17,23,33,42,47,48,52,55,60,62,66,70,71,74,84,86,87,96  
 Seq#:47; N Pos. 99,100  
 Seq#:48; N Pos. 5,6,33,35,36,42,46,48,55,59,69,81,87,91,94,97  
 Seq#:49; N Pos. 20,38,164,178,201,211,274,305,340,346,386,387,405,433,446  
 Seq#:50; N Pos. 5,6,13,18,22,39,45,48,54,65,70,72,80,83,90,94,96,98,102,104

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Seq#:50; N Pos. 113,115,117,121,123,125,128,142,144,160,174,175,180,181,186  
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Seq#:50; N Pos. 296,300,305,308,311,319,322,326,328,334,335,338,339,347,352  
Seq#:50; N Pos. 358,361,367,382,389,395,410,413,414,418,425,436,443  
Seq#:51; N Pos. 19,59,87,119,203,215,274,296,309,353,425,426,427,431,451  
Seq#:51; N Pos. 470,472,478  
Seq#:52; N Pos. 13,14,17,20,22,27,29,31,36,43,46,58,59,74,78,81,85,87,88,90



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L:13 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
M:341 Repeated in SeqNo=2  
L:598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
M:341 Repeated in SeqNo=5  
L:734 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:420  
M:341 Repeated in SeqNo=6  
L:843 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:420  
M:341 Repeated in SeqNo=10  
L:951 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
M:341 Repeated in SeqNo=14  
L:1033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
M:341 Repeated in SeqNo=16  
L:1109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
M:341 Repeated in SeqNo=17  
L:1200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
M:341 Repeated in SeqNo=19  
L:1318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
M:341 Repeated in SeqNo=21  
L:1375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
M:341 Repeated in SeqNo=22  
L:1427 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
M:341 Repeated in SeqNo=23  
L:1494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
M:341 Repeated in SeqNo=24  
L:1572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:240  
M:341 Repeated in SeqNo=26  
L:1625 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:300  
M:341 Repeated in SeqNo=27  
L:1681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
M:341 Repeated in SeqNo=28  
L:1717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0  
L:1814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0  
M:341 Repeated in SeqNo=30  
L:1886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0  
M:341 Repeated in SeqNo=31  
L:1958 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0  
M:341 Repeated in SeqNo=32  
L:2025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0  
M:341 Repeated in SeqNo=33  
L:2102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0  
M:341 Repeated in SeqNo=34  
L:2159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0  
M:341 Repeated in SeqNo=35  
L:2226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0  
M:341 Repeated in SeqNo=36  
L:2305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0  
M:341 Repeated in SeqNo=37

**VERIFICATION SUMMARY**

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L:2349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0

M:341 Repeated in SeqNo=38

L:2396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0